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AS81714/14

FEDERAL SUPPLY CLASS
5940

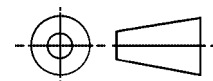
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THIRD ANGLE PROJECTION



ISSUED 2000-03

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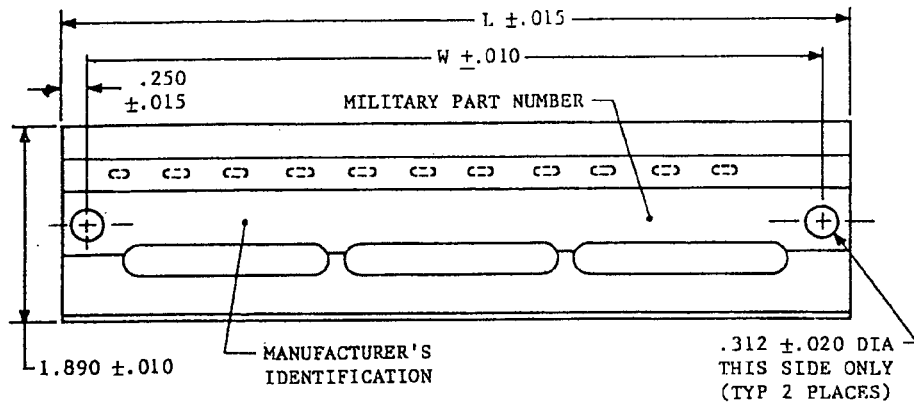
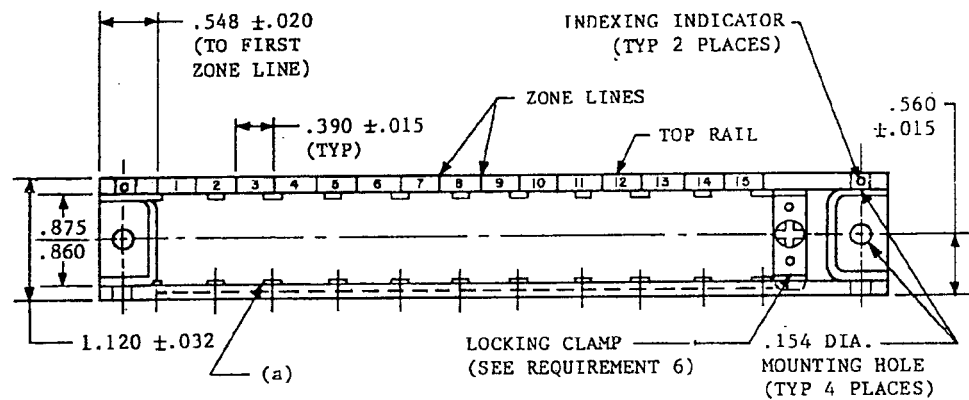
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AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, RACK ASSEMBLY,
TRACK, FEEDTHRU TYPE, LIGHT WEIGHT, SERIES I

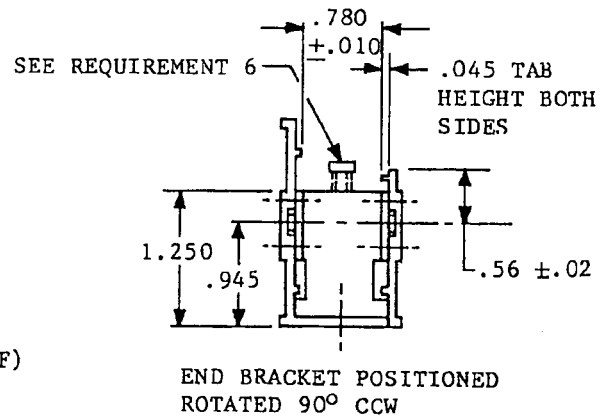
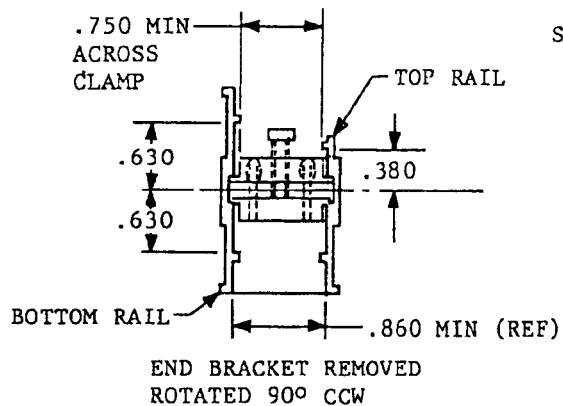
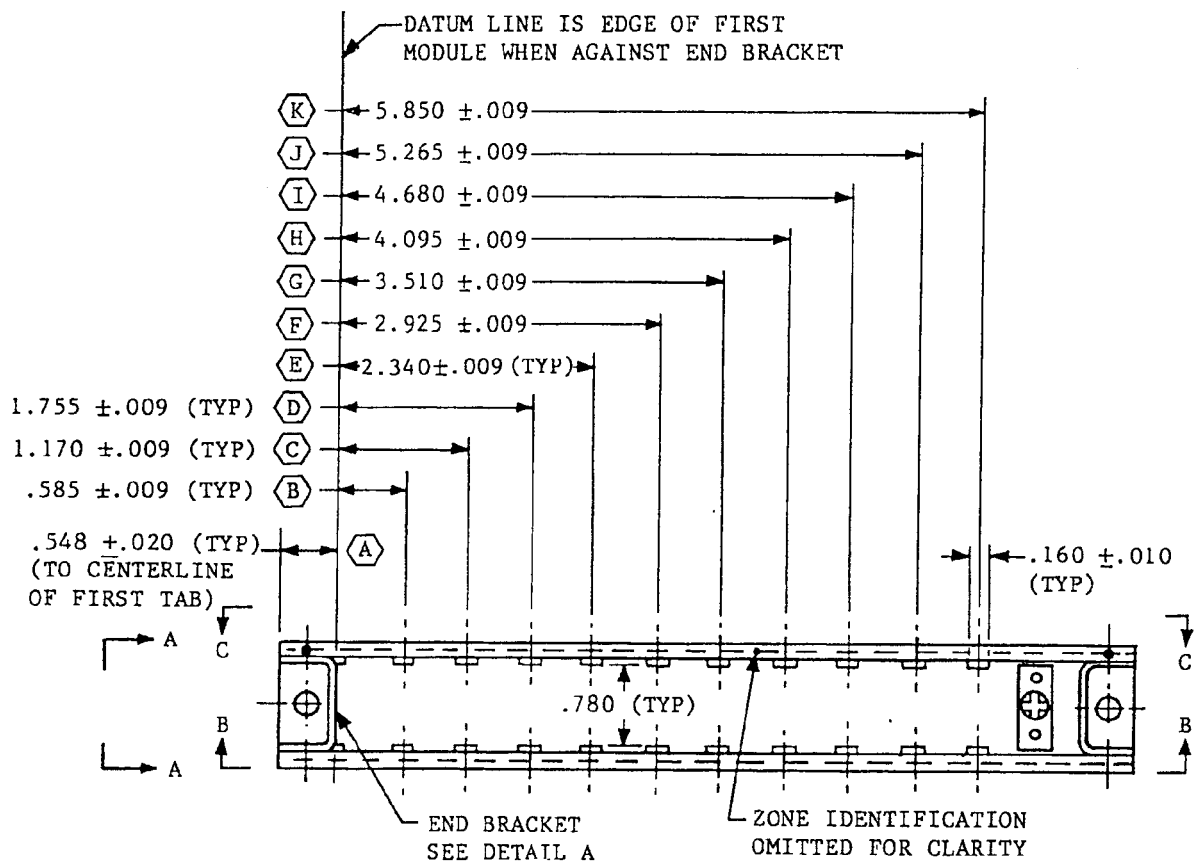
AS81714/14
SHEET 1 OF 7

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE RACK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.



VIEW B-B

- (a) CHANGE IN TAB DESIGN FROM TAPERED TO RECTANGULAR, EFFECTIVE NO LATER THAN 1 YEAR FROM DATE OF REVISION A.



VIEW A-A

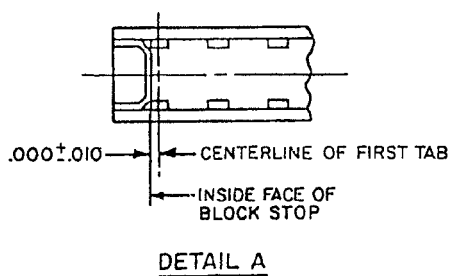
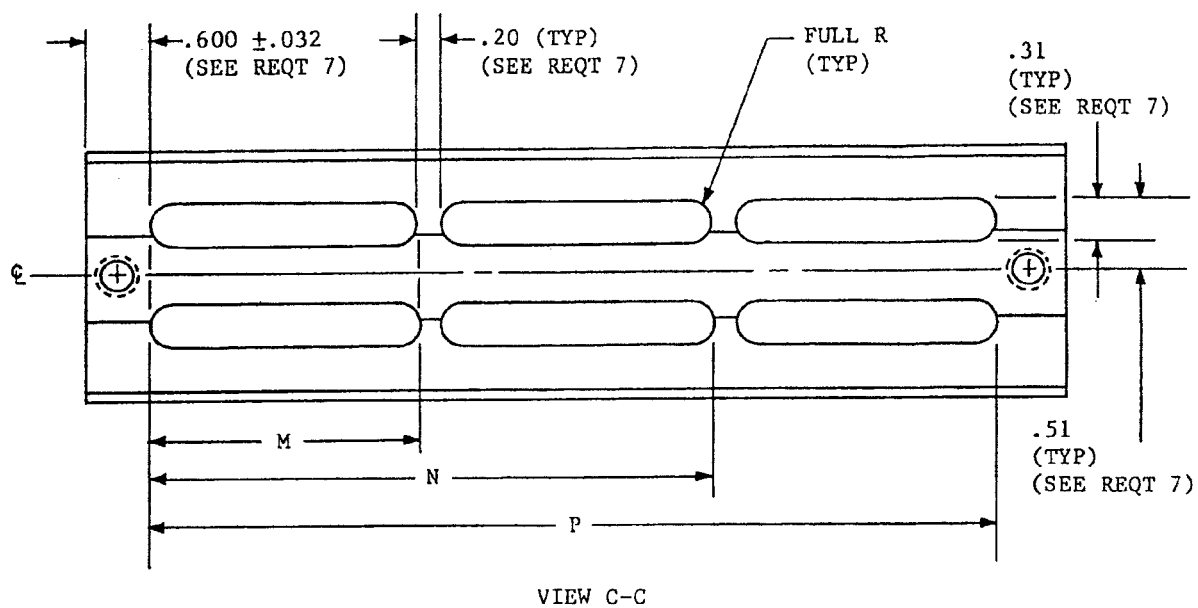


TABLE I

Dash Number	Number <u>1/</u> of Blocks	L	W	M $\pm .02$	N $\pm .02$	P $\pm .02$	Dimple Location
1	10	5.551	5.051	2.08	4.35	-	(A) thru (G)
2	3	2.821	2.321	1.62	-	-	(A) thru (C)
3	4	3.211	2.711	2.01	-	-	(A) thru (C)
4	5	3.601	3.101	2.40	-	-	(A) thru (D)
5	6	3.991	3.491	1.30	2.79	-	(A) thru (E)
6	7	4.381	3.881	1.49	3.18	-	(A) thru (E)
7	8	4.771	4.271	1.69	3.57	-	(A) thru (F)
8	9	5.161	4.661	1.88	3.96	-	(A) thru (G)
9	11	5.941	5.441	2.27	4.74	-	(A) thru (H)
10	12	6.331	5.831	2.47	5.13	-	(A) thru (I)
11	13	6.721	6.221	1.71	3.61	5.52	(A) thru (I)
12	14	7.111	6.611	1.84	3.86	5.90	(A) thru (J)
13	15	7.501	7.001	1.97	4.14	6.30	(A) thru (K)

NOTE:

1/ Number of blocks apply to the 22, 20 and 16 sizes. The number of size 12 blocks is the number shown divisible by 3.

Inch	mm	Inch	mm	Inch	mm	Inch	mm
.005	0.13	.875	22.23	2.711	68.86	4.680	118.87
.009	0.23	.945	24.00	2.79	70.87	4.74	120.40
.010	0.25	1.120	28.45	2.821	71.65	4.77	121.16
.015	0.38	1.170	29.72	2.925	74.30	5.051	128.30
.020	0.51	1.250	31.75	3.101	78.77	5.13	130.30
.032	0.81	1.30	33.02	3.18	80.77	5.161	131.09
.045	1.14	1.49	37.85	3.211	81.60	5.265	133.73
.160	4.06	1.62	41.15	3.491	88.67	5.441	138.20
.161	4.09	1.69	42.93	3.510	89.15	5.52	140.21
.250	6.35	1.71	43.43	3.57	90.68	5.551	141.00
.307	7.80	1.755	44.58	3.601	91.47	5.831	148.11
.31	7.87	1.84	46.78	3.61	91.69	5.850	148.59
.312	7.92	1.88	47.75	3.86	98.04	5.90	149.86
.380	9.65	1.890	48.01	3.881	98.58	5.941	150.90
.390	9.91	1.97	50.04	3.96	100.58	6.221	158.01
.51	12.95	2.01	51.05	3.991	101.37	6.30	160.02
.548	13.92	2.08	52.83	4.095	104.01	6.331	160.81
.585	14.22	2.27	57.66	4.14	105.16	6.611	167.92
.560	14.86	2.321	58.95	4.271	108.48	6.721	170.71
.600	15.24	2.340	59.44	4.35	110.49	7.001	177.83
.630	16.00	2.40	60.96	4.381	111.28	7.111	180.62
.750	19.05	2.47	62.74	4.661	118.39	7.501	190.53
.860	21.84						

REQUIREMENTS:

1. MATERIALS:

RACK, END BRACKET AND LOCKING CLAMP; ALUMINUM ALLOY 6063, TEMPER T5 IN ACCORDANCE WITH QQ-A-200/9 OR STAINLESS STEEL IN ACCORDANCE WITH QQ-S-766.

2. FINISH:

ALUMINUM PARTS SHALL BE ANODIC COATED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 2, BLACK. STAINLESS STEEL PARTS SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35.

3. THE INDEXING INDICATOR SHALL BE MARKED ON THE SPECIFIED TOP RAIL ONLY.

4. THE RACK SHALL BE DESIGNED FOR INSTALLATION OF MIL-T-81714/6, MIL-T-81714/7, MIL-T-81714/8 AND MIL-T-81714/9 BLOCKS.

5. THE RACK SHALL BE DESIGNED SO THAT THE ZONE NUMBERS ON THE BOTTOM RAIL ARE A REVERSE IMAGE OF THOSE SHOWN ON THE SPECIFIED TOP RAIL.

6. LOCKING CLAMP SHALL BE DESIGNED TO BE PERMANENTLY RETAINED IN RACK. THE LOCKING CLAMP SCREW SHALL BE CROSS RECESSED IN ACCORDANCE WITH MS9006, 8-32UNC-2A x .500, CORROSION-RESISTANT STEEL, PASSIVATED, SELF-LOCKING OR EQUIVALENT.

7. THESE DIMENSIONS ARE TYPICAL OF EACH SIDE OF THE RAIL ASSEMBLY.

8. RACKS ARE TO BE FREE OF ALL BURRS AND SHARP EDGES .015 MAX.

9. ZONE NUMBERS AND ZONE LINES SHALL BE WHITE.

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES, TOLERANCES: DECIMALS ± 0.005 .
2. PART NUMBER: THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, AND DASH NUMBER FROM TABLE I. WHEN PARTS ARE MADE OF ALUMINUM, ADD NO LETTER AFTER THE DASH NUMBER. WHEN PARTS ARE MADE FROM STAINLESS STEEL, ADD AN S AFTER THE DASH NUMBER.

M 81714/14 - 1

└─ Dash Number.

└─ Specification Sheet Number.

└─ Military Part Number Indicator.

PART NUMBER EXAMPLE:

M81714/14-1

ALUMINUM FEEDTHRU TYPE RACK ASSEMBLY DASH NUMBER 1.

3. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
4. INTERNATIONAL INTEREST, SEE SPECIFICATION MIL-T-81714.